





## Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85164628 01 / 1

Rev.: 0

Seite / page: 1 von / of 3

Datum / date: 2015 06 30

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer:	Bestell Nr. / order no.:	C 89965
	Datum / date:	2015 02 05
	Auftragsbest. Nr. / order confirm no.:	688222
	Datum / date:	2015 02 09
Warenempfänger / consignee:	Lieferschein Nr. / delivery note:	85164628
	Datum / date:	2015 07 31

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 2024 Zustand / temper: T3 Dim. / dim.: [inch]: 0,040x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/4A, 09.1998 ASTM B 209 - 10 AMS 4037Q, 12.2014 WL 3.1354-1, 12.1987 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. U, 05-26-11 ANSI H35.2-2013 ABM 1-6015, Issue 2, OCT 2004 AIR9048-110, 26 December 1978  Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
04	69201/01/00	01/0069434/5	2024	6882220009	2420,635 lbs	87
04	69201/01/00	01/0069434/5	2024	6882220010	2085,538 lbs	75

D225885  
D225888

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ti+ Zr	Others Each
01/0069434/5	2024										
	spec. min.	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec. max.	0,50	0,50	4,9	0,90	1,8	0,10	0,25	0,15	0,20	0,05
	actual	0,06	0,10	4,4	0,48	1,5	0,00	0,09	0,04	0,05	0,02
		Others Total									
	spec. min.	-									
	spec. max.	0,15									
	actual	0,03									



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Zugprüfung LT / tensile test LT									
BNr/Los	Zustand	Richtung	Tests		UTS	YS	A2"		
Lot/No.	temper	direction			[ksi]	[ksi]	[%]		
				spec.min.	63,8	42,1	15		
				spec.max.	-	-	-		
69201/01	T3	LT	6	from	67,4	49,9	16		
69201/01	T3	LT		to	68,2	50,8	17		

Elektr. Leitfähigkeit GM / electr. Conductivity GM									
BNr/Los	Zustand	Tests		L / ec	ΔL / Δec per batch				
Lot/No.	temper			[% IACS]	[% IACS]				
			spec.min.	-	-				
			spec.max.	32,8	2,6				
69201/01	T3	18	from	30,3	0,4				
69201/01	T3		to	30,7	0,4				

Sonstige Prüfungen / other tests									
Biegeversuch: OK. / Transverse bend test: OK.									
Interkristalline Korrosion: OK. / Intergranular corrosion: OK.									
Maßkontrolle: OK. / Dimensional Check: OK.									
Oberfläche: OK. / Surface inspection: OK.									

Bemerkungen / notes									
Die Dimensionstoleranzen entsprechen ANSI XXX / As standard, dimensional tolerances are to ANSI XXX									



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Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantenummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

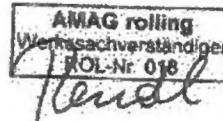
Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkstoffverständiger / factory specialist	E-Mail / e-mail
Rendl Herbert	h.rendl@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024T35.040  
 DATE: 16-03-22

PO / BATCH NO.: 31697/M134532

MATERIAL CERT REC'D: Ye  
 QUANTITY RECEIVED: 2 x 4x12  
 QUANTITY INSPECTED: 2 x 4x12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.40  
 THICKNESS RECEIVED: 0.40  
 SHEET SIZE ORDERED: 4x12  
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 38</u> DATE: <u>MAR 22 2016</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO31697**

Purchase Order Date 3/14/2016

PO Print Date 3/14/2016

Page Number 1 of 6

**Order From :**

VC-CAM002

CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**E-MAILED**

**MAR 15 2016**

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA – (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M569EX0.50-18F	569 Expanded Metal	3/18/2016 Yes 3/18/2016		128.00 sf	\$1.01	\$128.80
MATERIAL: CARBON STEEL EXPANDED METAL MESH AS PER ASTM F1267 OR MIL-M-17194D							
<b>Line Total:</b>							<b>\$128.80</b>
2	M174R0.750	17-4 round bar .750	3/18/2016 Yes 3/18/2016		24.00 f	\$5.15	\$123.60
17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI							
<b>Line Total:</b>							<b>\$123.60</b>

**Note:**

3/14/2016



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**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

3	M2024T3S.040	2024-T3 .040 sheet	3/18/2016	96.00	✓	\$4.12	\$395.90
			Yes	sf			
			3/18/2016				

MATERIAL: 2024-T3 ALUMINUM SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037  
OR ASTM B209

8916-03-22

**Line Total:** \$395.90

4	M303R0.500	303 Round Bar 0.500"	3/18/2016	24.00		\$1.74	\$41.68
			Yes	f			
			3/18/2016				

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$41.68

5	M303R0.750	303 Round Bar 0.750	3/18/2016	96.00		\$3.83	\$367.62
			Yes	f			
			3/18/2016				

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Note:**

3/14/2016





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**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

**Line Total:** \$367.62

6	M303R1.000	303 Round Bar 1.00	3/18/2016	12.00	\$6.90	\$82.80
			Yes	f		
			3/18/2016			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total:** \$82.80

7	M304B0.500X2.500	304 BAR .500 x 2.50	3/18/2016	13.46	\$14.75	\$198.51
			Yes	f		
			3/18/2016			

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS  
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

**Line Total:** \$198.51

**Note:**

3/14/2016



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**Terms** Net 30

**Currency** CAD

**FOB** FCA – (Free Carrier)

8	M304S16GA	304/316 Sheet .063	3/18/2016	64.00	\$6.51	\$416.56
			Yes	sf		
			3/18/2016			

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
ORASTMA240  
OR ASME SA240

**Line Total:** \$416.56

9	M6061T6R0.375	6061-T6 Round Bar .375"	3/18/2016	20.00	\$0.39	\$7.75
			Yes	f		
			3/18/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$7.75

**Note:**

3/14/2016



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Page Number 5 of 6

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**Ship Acct:**

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**Terms** Net 30

**Currency** CAD

**FOB** FCA – (Free Carrier)

10	M6061T6R0.750	6061-T6 Round Bar .750"	3/18/2016	20.00	\$1.54	\$30.73
			Yes	f		
			3/18/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$30.73

11	M6061T6S.080	6061-T6 .080 Sheet	3/18/2016	96.00	\$4.01	\$385.00
			Yes	sf		
			3/18/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

**Line Total:** \$385.00

**Note:**

3/14/2016



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**FOB** FCA - (Free Carrier)

12	71401-45	PROCUREMENT QUALITY CLAUSES	3/18/2016	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

3/18/2016

**Line Total:** \$0.00

**PO Total:** \$2,178.95

*Handwritten signature and initials*

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 3/14/2016